

ABSTRACT OF THE DISCLOSURE

A chemical treatment apparatus of this invention is an apparatus by which a chromium film formed on a material to be subjected to film formation is etched
5 into a predetermined pattern. This apparatus includes a cathode electrolysis reduction device for performing an electrolysis reduction treatment for the chromium film as a cathode by using a treatment solution containing chloride ions, and an acid dip device for
10 dipping the chromium film into an acidic treatment solution after the electrolysis reduction treatment is performed by the cathode electrolysis reduction device.